

**EH4718L/WPSA and
EH4718L/PSA
Environmental
Enclosures**

**Installation/
Operation Manual**

C1415M-PSA (12/97)

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REVISION HISTORY

Manual #	Date	Comments
C1415M-PSA	1/97	Original version.
	12/97	Changed ENGEH4718L/WPSA to EH4718L/WPSA, changed ENGEH4718L/PSA to EH4718L/PSA, and changed manual to new format.

1.0 GENERAL

1.1 IMPORTANT SAFEGUARDS AND WARNINGS

Prior to installation and use of this product, the following WARNINGS should be observed.

1. Installation and servicing should only be done by Qualified Service Personnel and conform to all Local codes.
2. Unless the unit is specifically marked as a NEMA Type 3, 3R, 3S, 4, 4X, 6, or 6P enclosure, it is designed for indoor use only and it must not be installed where exposed to rain and moisture.
3. Only use replacement parts recommended by Pelco.
4. After replacement/repair of this unit's electrical components, conduct a resistance measurement between line and exposed parts to verify the exposed parts have not been connected to line circuitry.
5. The installation method and materials should be capable of supporting four (4) times the weight of the enclosure, pan/tilt, camera and lens combination.

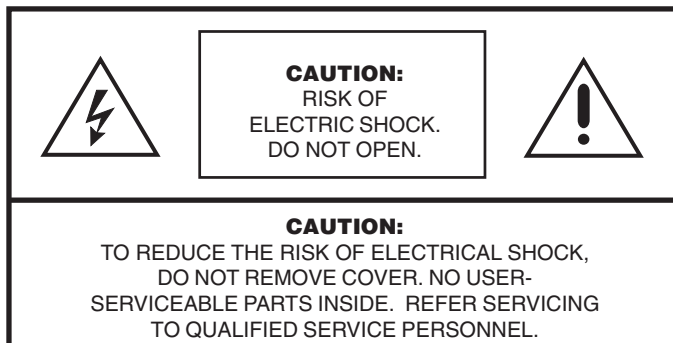
The product and/or manual may bear the following marks:



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.



Please thoroughly familiarize yourself with the information in this manual prior to installation and operation.

2.0 DESCRIPTION

The EH4718L/WPSA and EH4718L/PSA environmental enclosures are constructed of aluminum. They are installed by attaching the bottom of the enclosure to the tilt shaft of an PT780-24P/PPPSA pan/tilt.

2.1 MODELS

EH4718L/WPSA	Environmental enclosure with rear opening lid. Lid has gas spring to hold it open. 18-inch (45.72 cm) length. Includes window wiper.
EH4718L/PSA	Same as EH4718L/WPSA except it does not have a window wiper.

3.0 INSTALLATION



CAUTION: *Camera power must be the same as the AC power for the enclosure.*



CAUTION: *Failure to tighten the screws or to install the support bracket may result in damage to the enclosure when you operate the camera.*

1. Unlatch and raise the enclosure lid. The gas spring will hold the lid in place when it is fully opened.
2. Remove the parts tied to the camera sled
3. Remove the elevator from the camera sled.
4. Mount the camera to the elevator with the 1/4-20 Phillips-head screws that are provided in the parts bag.
5. Install the elevator and camera in the enclosure:
 - a. Loosen the screws that hold the camera sled in place.
 - b. If the camera's lens is adjustable, extend the lens to its maximum length.
 - c. Place the elevator on the camera sled, but do not install the elevator.
 - d. Slide the camera sled forward until the lens almost touches the window.
 - e. Remove the camera and elevator and tighten the camera sled screws.
 - f. Install the elevator and camera on the camera sled.
6. Connect the video cable in the enclosure to the video output connection on the camera.
7. If you are going to synchronize cameras, connect the synchronization cable in the enclosure to the synchronization connection on the camera.
8. If your camera has a motorized zoom lens control, connect or wire the camera's lens control to the LENS CONTROL connector inside the enclosure. Refer to Figure 3.
9. Wire power to the camera. Refer to Figure 3.
10. Adjust the focus and iris on the camera, if necessary.
11. Close the enclosure lid and mount the enclosure to the pan/tilt unit:
 - a. Lift the enclosure over the pan/tilt unit and carefully lower the enclosure into the pan/tilt unit to mate the 26-pin RediLINK™ D-type connectors in the shaft of the pan/tilt unit and on the bottom of the enclosure.
 - b. Once the connectors are mated, apply firm pressure downward and to the back of the enclosure to fully seat the enclosure in the pan/ tilt unit.
 - c. Slowly remove your hands from the enclosure, making sure that the enclosure is balanced on the pan/tilt unit.
 - d. With the 5/32 Allen wrench that is supplied with the enclosure, tighten the two set screws on the back of the enclosure where it mounts to the pan/tilt unit.
 - e. Install the support bracket as shown in Figure 1. Apply silicone sealant (such as Bostik #9732 or equivalent) between the bottom of the bracket and the top of the enclosure. Fasten the bracket to the top of the enclosure and the tilt shaft of the pan/tilt unit with the screws, split lock washers, and sealing washers that are supplied.

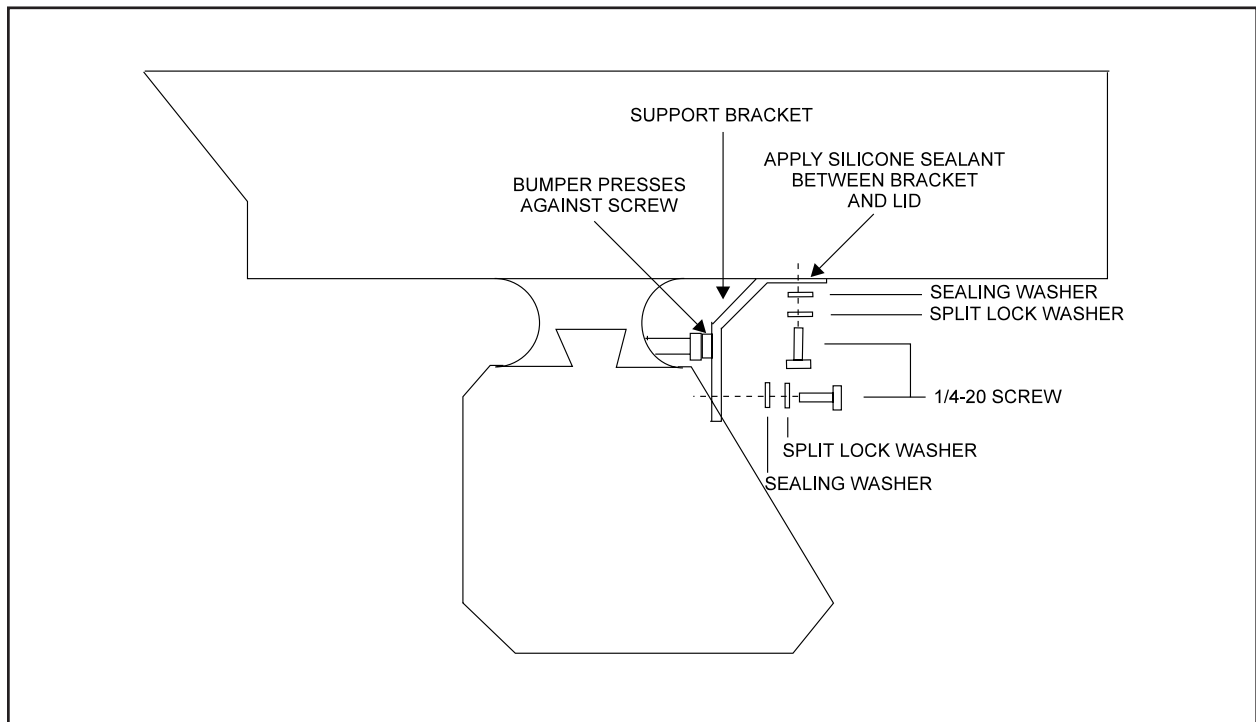


Figure 1. Support Bracket Installation

4.0 WINDOW WIPER ADJUSTMENTS

1. Open the enclosure lid.
2. Refer to Figure 2 and set either of the following two options:
 - a. The time between wiper strokes can be adjusted between 3 and 10 seconds by rotating the potentiometer R8. Turn the adjustment clockwise to increase the time. The potentiometer only makes one revolution. Turn power on to make this adjustment.
 - or
 - b. The wiper can be set to operate continuously by placing the delay jumper at JP6 in the OFF position.
3. Close the enclosure lid.

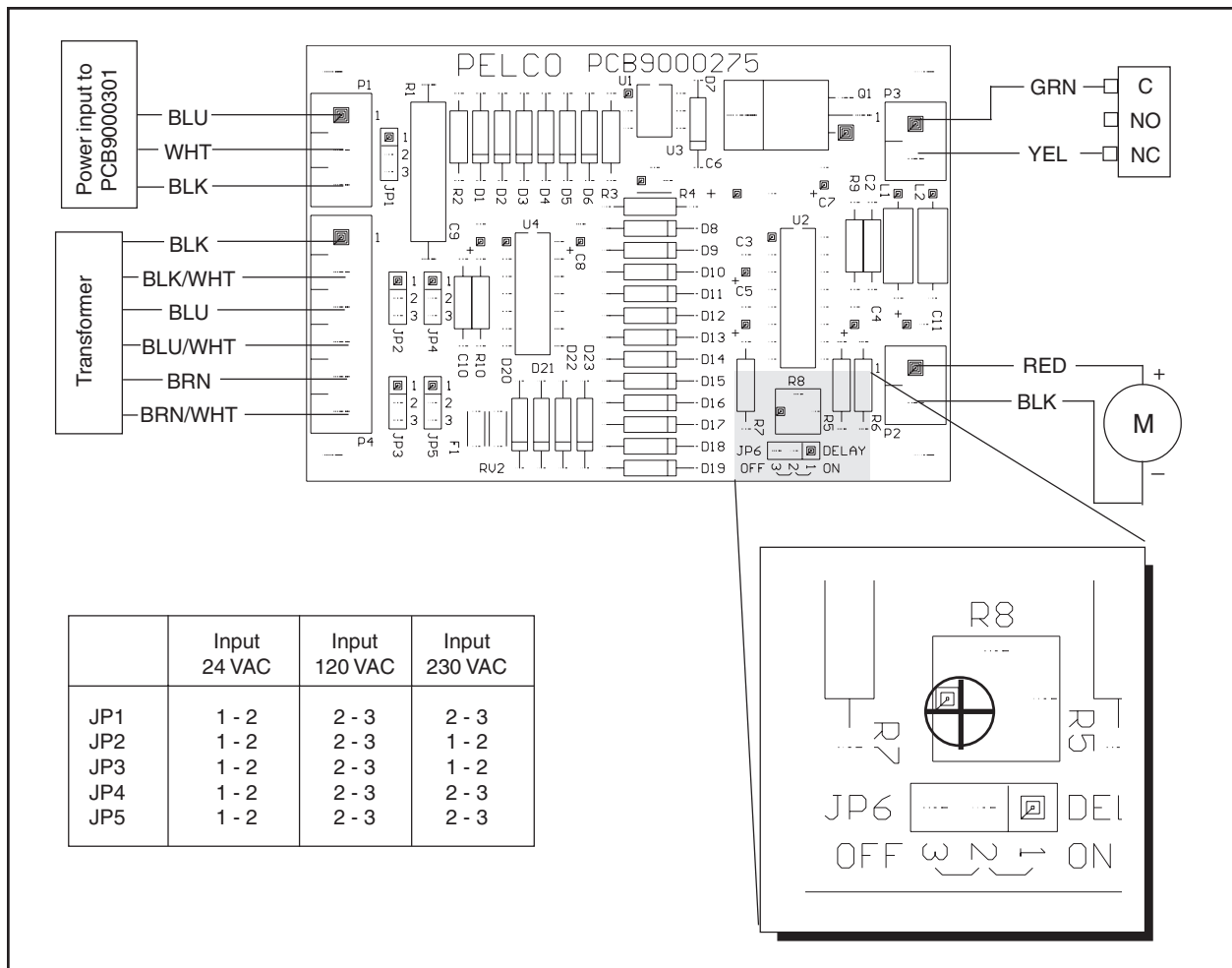


Figure 2. Wiper Circuit Board Component Locations

5.0 OPERATION

| The fan turns on at 110° F (43° C) and turns off at 88° F (31° C).

6.0 MAINTENANCE

Clean the window with a mild nonabrasive detergent in water and a soft cloth to maintain picture clarity.

7.0 WIRING DIAGRAM

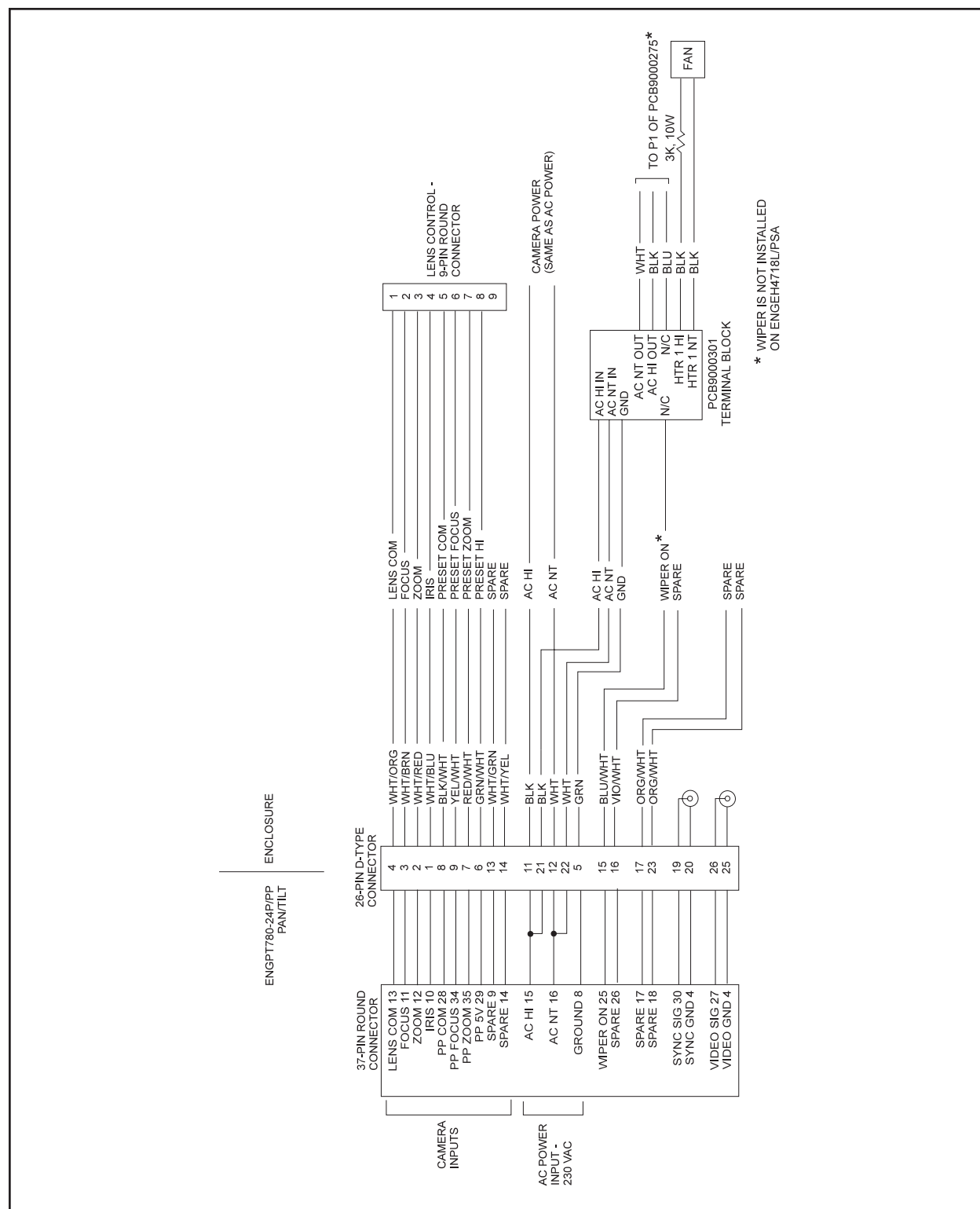


Figure 3. EH4718L/WPSA and EH4718L/PSA Wiring Diagram

8.0 SPECIFICATIONS

ELECTRICAL

Input Voltage: 24, 120 or 230 VAC, 50/60 Hz
 Electrical
 Connections: 9-pin round lens control connector
 Two wires for camera power
 BNC for video
 BNC for camera synchronization
 26-pin RediLINK™ D-type connector (links enclosure to pan/tilt)

MECHANICAL

Construction: Aluminum
 Finish: Gray polyester powder coat
 Window: EH4718L/WPSA: Glass
 EH4718L/PSA: Lexan plastic
 Window
 Viewing Area: 3.50" H x 4.00" W (8.89 x 10.16 cm)
 Camera Mounting: Removable camera sled that can be inverted to accommodate various cameras and lenses
 Max. Camera and Lens Size: Including BNC connector:
 12.79" L x 2.96" W x 3.15" H (32.48 x 7.52 x 8.00 cm)
 Rear Latch: Stainless Steel
 Dimensions: See Figure 4
 Weight

	Unit	Shipping
ENGEH4718L:	8.5 lbs (3.85 kg)	10 lbs (4.53 kg)

GENERAL

NEMA Rating: 4
 IEC 144 Rating: IP65
 Environment: Indoor/outdoor -10° to 120° F (-23° to 49° C)

(Design and product specifications subject to change without notice.)

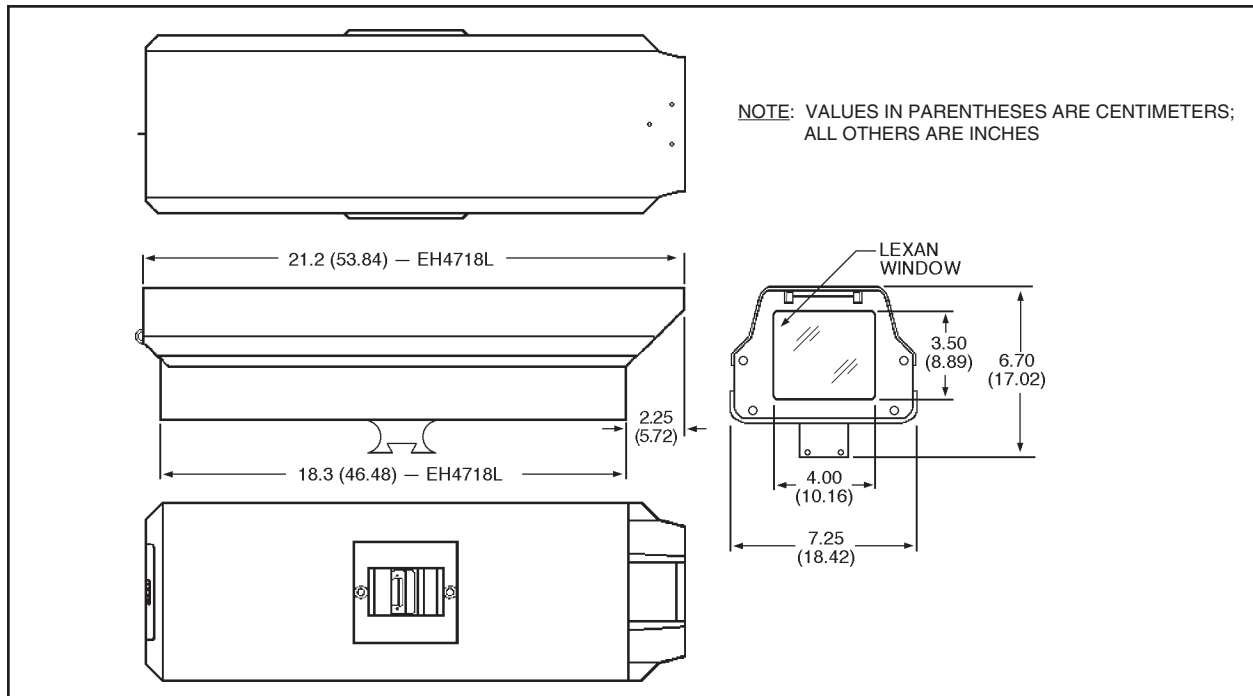


Figure 4. EH4718L/WPSA and EH4718L/PSA Dimension Drawing

9.0 WARRANTY AND RETURN INFORMATION

WARRANTY

Pelco will repair or replace, without charge, any merchandise proved defective in material or workmanship for a period of one year after the date of shipment.

Exceptions to this warranty are as noted below:

- Five years on FT/FR8000 Series fiber optic products.
- Three years on Genex® Series products (multiplexers, server, and keyboard).
- Three years on Camclosure® and fixed camera models, except the CC3701H-2, CC3701H-2X, CC3751H-2, CC3651H-2X, MC3651H-2, and MC3651H-2X camera models, which have a five-year warranty.
- Two years on standard motorized or fixed focal length lenses.
- Two years on Legacy®, CM6700/CM6800/CM9700 Series matrix, and DF5/DF8 Series fixed dome products.
- Two years on Spectra®, Esprit®, ExSite™, and PS20 scanners, including when used in continuous motion applications.
- Two years on Esprit® and WW5700 Series window wiper (excluding wiper blades).
- Eighteen months on DX Series digital video recorders, NVR300 Series network video recorders, and Endura™ Series distributed network-based video products.
- One year (except video heads) on video cassette recorders (VCRs). Video heads will be covered for a period of six months.
- Six months on all pan and tilts, scanners or preset lenses used in continuous motion applications (that is, preset scan, tour and auto scan modes).

Pelco will warrant all replacement parts and repairs for 90 days from the date of Pelco shipment. All goods requiring warranty repair shall be sent freight prepaid to Pelco, Clovis, California. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

Pelco assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the Products. Pelco's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party or product liability, relating to the Products shall not exceed the price paid by the Dealer to Pelco for such Products. In no event will Pelco be liable for any special, incidental or consequential damages (including loss of use, loss of profit and claims of third parties) however caused, whether by the negligence of Pelco or otherwise.

The above warranty provides the Dealer with specific legal rights. The Dealer may also have additional rights, which are subject to variation from state to state.

If a warranty repair is required, the Dealer must contact Pelco at (800) 289-9100 or (559) 292-1981 to obtain a Repair Authorization number (RA), and provide the following information:

1. Model and serial number
2. Date of shipment, P.O. number, Sales Order number, or Pelco invoice number
3. Details of the defect or problem

If there is a dispute regarding the warranty of a product which does not fall under the warranty conditions stated above, please include a written explanation with the product when returned.

Method of return shipment shall be the same or equal to the method by which the item was received by Pelco.

RETURNS

In order to expedite parts returned to the factory for repair or credit, please call the factory at (800) 289-9100 or (559) 292-1981 to obtain an authorization number (CA number if returned for credit, and RA number if returned for repair).

All merchandise returned for credit may be subject to a 20% restocking and refurbishing charge. Goods returned for repair or credit should be clearly identified with the assigned CA or RA number and freight should be prepaid. Ship to the appropriate address below.

If you are located within the continental U.S., Alaska, Hawaii or Puerto Rico, send goods to:

Service Department
Pelco
3500 Pelco Way
Clovis, CA 93612-5699

If you are located outside the continental U.S., Alaska, Hawaii or Puerto Rico and are instructed to return goods to the USA, you may do one of the following:

If the goods are to be sent by a COURIER SERVICE, send the goods to:

Pelco
3500 Pelco Way
Clovis, CA 93612-5699 USA

If the goods are to be sent by a FREIGHT FORWARDER, send the goods to:

Pelco c/o Expeditors
473 Eccles Avenue
South San Francisco, CA 94080 USA
Phone: 650-737-1700
Fax: 650-737-0933

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